

## CARLSBAD FIELD OFFICE AUDIT PLAN

**Audit Number:** A-02-09

**Organization to Be Audited:** Westinghouse TRU Solutions (WTS), Central Characterization Project (CCP)

**Organizations to be notified:** Westinghouse TRU Solutions (WTS)  
Westinghouse Savannah River Company (WSRC)

New Mexico Environment Department (NMED)  
Environmental Protection Agency (EPA)  
Environmental Evaluation Group (EEG)  
Defense Nuclear Facilities Safety Board (DNFSB)

**Date and Location:** October 15-19, 2001  
Aiken, South Carolina (SRS)

<b>Audit Team:</b>	Thomas J. Reese	CBFO QA Manager
	Marlin Horseman	Audit and Assessment Manager, CTAC
	Earl Bradford	Audit Team Leader, CTAC
	Steve Calvert	Auditor, CTAC
	Steve Davis	Auditor, CTAC
	Pete Rodriguez	Auditor, CTAC
	Charley Riggs	Auditor, CTAC
	Chet Wright	Auditor, CTAC
	Jim Schuetz	Auditor, CTAC
	Jack Walsh	Auditor, CTAC
	Amy Arceo	Auditor, CTAC
	Porf Martinez	Auditor Trainee, CTAC
	Wayne Ledford	RTR & VE Technical Specialist, CTAC
	Patrick Kelley	NDA Technical Specialist, CTAC
	Dorothy Gill	HSG Technical Specialist, CTAC
	B.J. Verret	HSG Technical Specialist, CTAC
	Dick Blauvelt	AK Technical Specialist, CTAC

### Audit Scope:

The audit team will evaluate the adequacy, implementation, and effectiveness of technical and quality assurance activities related to the CCP Transuranic Waste Characterization and Certification Project for retrievably stored debris waste. In addition, the audit team will evaluate adequacy, implementation, and effectiveness of those QA and Technical program activities being performed by SRS in support of the CCP.

**Activities/Tasks to be Audited:**

The following quality assurance elements will be evaluated:

- Organization
- QA Program
- Personnel Qualification and Training
- Quality Improvement
- Documents & Records
- Work Processes
- Procurement
- Inspection and Testing
- Grading Program
- Audits/Assessments
- Sample Control
- Software Quality Assurance

The following CBFO characterization technical elements will be evaluated:

- Data Validation & Verification
- Acceptable Knowledge
- Nondestructive Assay (NDA-IPAN/GEA)
- Real Time Radiography (RTR)
- WSRC Visual Examination (VE)
- CCP Head Space Gas Sampling and Analysis
- SRS Head Space Gas Sampling and Analysis
- Sample Design
- Performance Demonstration Program (PDP)
- Waste Certification (e.g., Waste Stream Profile Form)
- WIPP Waste information System (WWIS)
- Waste Analysis Plan (WAP), Section B6

The following CBFO certification technical elements will be evaluated:

- Waste Certification (e.g., Waste Stream Profile Form)
- WIPP Waste information System (WWIS)

**Governing Documents/Requirements:**

The overall program adequacy of WTS CCP documents will be based on the following documents:

Quality Assurance Program Document (QAPD), CAO-94-1012, Current Revision

Hazardous Waste Facility Permit Waste Isolation Pilot Plant EPA No. NM4890139088-TSDF by the New Mexico Environment Department, dated October 27, 1999, including all applicable modifications

Waste Acceptance Criteria for the Waste Isolation Pilot Plant (WAC), DOE/WIPP-069, Current Revision

Programmatic and technical Checklists will be developed from the active revisions of the following documents:

CCP Transuranic Waste Quality Assurance Characterization Project Plan (QAPjP), CCP-PO-001

CCP Transuranic Waste Certification Plan, CCP-PO-002

CCP/SRS Interface Document, CCP-PO-004

Related WTS CCP Quality Assurance and technical implementing procedures

Related WTS Quality Assurance implementing procedures

Related Westinghouse Savannah River (SRS) Quality Assurance and technical implementing procedures being utilized in support of CCP characterization activities

#### **Schedule of Audit Activities:**

A pre-audit conference will be held Monday, October 15, 2001 at 8:30 am in Aiken, South Carolina at the SRS (Location to be determined).

Audit team caucus meetings will be held at 4:30 p.m. Monday through Thursday. (Location to be determined)

Daily management briefings will be held at 8:00 a.m. with the appropriate CCP management Tuesday through Friday.

A post-audit conference is scheduled for Friday, October 19, 2001 at 4:00 p.m. (Location to be determined)

**Prepared by:** \_\_\_\_\_  
Earl Bradford, CTAC  
Audit Team Leader

**Date:** \_\_\_\_\_

**Concurrence:** \_\_\_\_\_  
Thomas J. Reese, CBFO  
Quality Assurance Manager

**Date:** \_\_\_\_\_